

16-192 Fiber Micro Distribution with 16 Fiber buffer tubes, Plenum

www.TheLightConnection.com

Features and Benefits

- Ultra space-saving designs
- 250µm color-coded bare fiber
- 16 bare fibers per subunit up to 192 fiber constructions
- Available in all fiber types
- Meets the application requirement of National Electric Code (NEC) Article 770 and are OFNP-rated

Description

The Light Connection, Inc. 16-192 fiber Micro Distribution Cable is composed of a single tube or a central member (if applicable), aramid yarn, an aramid ripcord, and a PVC outer jacket. Each buffer tube consists of 16 colored glass fibers surrounded by aramid yarn with a PVC jacket 2.40 mm in diameter. All component materials meet the EU RoHS Directive standard. Buffer tubes may be color-coded or sequentially numbered.

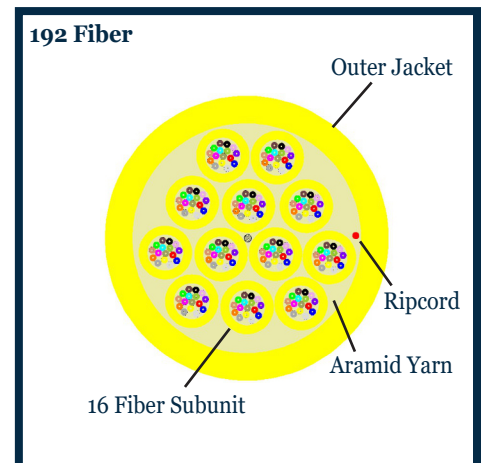
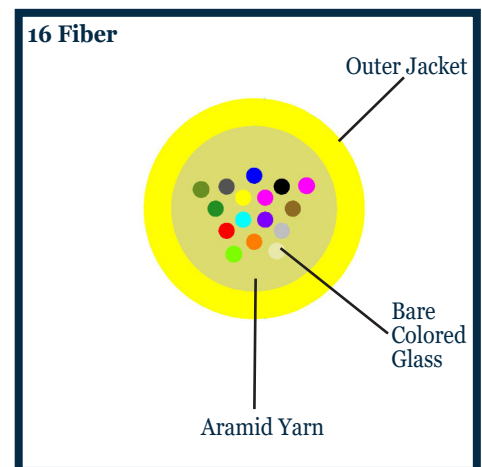
TLC Micro Distribution Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFNP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating and fiber type, and includes footage markers. Custom print may also be accommodated.

Application

Plenum
Data Centers

Flame Rating

NFPA262



SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

Cable Characteristics

Fiber Count	16, 32, 64, 96, 128, 144, 192
Outer Jacket Material	Flame Retardant PVC
Buffer Tubes	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member (if applicable)	Fiber Reinforced Rod

Mechanical Characteristics

Value (16, 32, 64, 96, 128, 144, 192 fiber count)

Nominal Outer Diameter (mm)	2.4/ 8.0/ 8.0/ 9.4/11.0/ 11.7/ 12.2
Weight (lbs/ km)	13.5/114/114/160/190/ 200/260
Minimum Bend Radius, Installation (cm)	3.6/ 12.0/ 12.0/ 14.4/ 16.5/17.6/ 18.3
Minimum Bend Radius, Operation (cm)	2.4/ 8.0/ 8.0/ 9.4/ 11.0/ 11.7/ 12.2

Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 (WB MMF)
Core Size [μm]	9	62.5	50	50	50	50
Wavelength [nm]	1310/ 1550	850/ 1300	850/1300	850/ 1300	850/ 1300	850/ 1300
Max. Attenuation[dB/km]	0.5/ 0.4	3.5/ 1.5	3.5/1.5	3.0/ 1.0	3.0/ 1.0	3.0/ 1.0
Link Length[m]	10,000/5,000 (1/10Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)
Bandwidth (EMB High Performance)[MHz.km]	—	220 @850	750@850	2,000 @850	4,700 @850	4,700@850

Part Numbers

Fiber Count	Single Mode	OM1	OM2	OM3-OM4	OM5
16	So9MD16**NPY24	M62MD16**NPO24	M50MD16**NPO24	M50MD16**NPA24	M50MD16**NPLG24
32	So9MD32**NPY24-Y	M62MD32**NPO24-O	M50MD32**NPO24-O	M50MD32**NPA-24-A	M50MD32**NPLG24-LG
64	So9MD64**NPY24-Y	M62MD64**NPO24-O	M50MD64**NPO24-O	M50MD64**NPA24-A	M50MD64**NPLG24-LG
96	So9MD96**NPY24-Y	M62MD96**NPO24-O	M50MD96**NPO24-O	M50MD96**NPA24-A	M50MD96**NPLG24-LG
128	So9MD128**NPY24-Y	M62MD128**NPO24-O	M50MD128**NPO24-O	M50MD128**NPA24-A	M50MD128**NPLG24-LG
144	So9MD144**NPY24-Y	M62MD144**NPO24-O	M50MD144**NPO24-O	M50MD144**NPA24-A	M50MD144**NPLG24-LG
192	So9MD192**NPY24-Y	M62MD192**NPO24-O	M50MD192**NPO24-O	M50MD192**NPA24-A	M50MD192**NPLG24-LG

Fiber Type (9/125) **

SMF-28® Ultra	CZ
ClearCurve® LBL	C7
ClearCurve® ZBL	CC

Fiber Type (50/125) **

ClearCurve® OM2	C2
ClearCurve® OM3	CG
ClearCurve® OM4	C4
ClearCurve® OM5	C5

Fiber Type (62.5/125) **

InfiniCor® 300	C3
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